On page 6 lines 7-8, delete ", according to the initial semantic structure previously identified by the document model".

On page 6 line 14, replace "peaks back" with -- peaks from the largest scale back --.

On page 7, line 3, replace "where such" with -- where the axis for such --.

On page 8 line 8, delete "only".

On page 8 line 13, delete "statistically".

On page 8 line 14, replace "The statistical model" with -- This model --.

On page 8 line 19, replace "a semantic" with -- a low-dimensional semantic --.

On page 9 line 7, delete "segmentation".

On page 9 lines 8-9, delete "The structure identified by latent semantic indexing determines the segment size used in the scale space segmentation phase."

On page 9 line 12, replace "back to" with -- back through scale space to --.

On page 10 line 3, delete "statistical".

On page 12 line 11, replace " $H_k(s_i)=X^k$ " with -- $H^k(s_i)=X^k$ --.

On page 12 line 14, replace "term occurrence" with -- term-occurrence --.

On page 13 line 1, replace "points" with -- directions --.

On page 14 line 2, replace "present invention identifies" with -- inventions above identify--.

On page 14 line 8, replace "this idea" with - - these ideas- -.

On page 14 lines 10-11, replace "without first partitioning the document via latent semantic indexing" with -- with the ad hoc methods described above --.

On page 14 line 17, replace "s(t)" with -- x(t) --.

On page 14 line 19, replace "$s_\alpha(t)$" with -- $x_\alpha(t)$ --.

On page 14 line 19, replace "$s(\tau)$" with -- $x(\tau)$ --.

On page 15 line 1, replace "$s_\alpha(t)$" with -- $x_\alpha(t)$ --.

On page 15 line 1, replace "$s(t)$" with -- $x(t)$ --.

On page 15 line 1, replace "s_α" with -- x_α --.

On page 15 line 8, replace " $H_k(s_i)$ " with -- $H^k(s_i)$ --.

On page 15 line 9, replace " $H_k(s_i)$ " with -- $H^k(s_i)$ --.

On page 15, line 9, replace "replacing s" with -- replacing x --.

On page 15, line 10, replace " $H_k(s_i)$ " with -- $H^k(s_i)$ --.

On page 15, line 11, replace " $H_k(s_{i,}\ \sigma)$ " with -- $H^k(s_{i,}\ \sigma)$ --.

On page 15, line 12, replace " $H_k(s_{i,}\ \sigma)$" with -- $H^k(s_{i,}\ \sigma)$ --.

On page 16 line 4, replace "sentences" with -- "sentences" --.

On page 20 line 5, delete all asterisks from the equation.

IN THE CLAIMS

Amend Claims 1, 17, and 18 to read as shown below.

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1   1. A method for generating a table of contents for a document using information in said

2   document, comprising the steps of:

3   building a model of said document including an initial semantic structure;

4   detecting changes in said semantic structure spanning different scales; and

5   ordering said changes into entries in said table of contents based on scale span.